

New Patent Claims 1, 6 and 10:

1. A method of determining the blood pressure, in which a pressure sensor is applied to an individual's limb to detect the blood pressure prevailing in said limb and also the orientation of said limb by means of an orientation sensing unit (5), said orientation sensing unit (5) delivering an electrical signal responsive to the detected orientation of the limb, and said electrical signal being further processed,

**characterized in that** that the limb's orientation is detected with the orientation sensing unit (5) within a housing of a blood pressure measuring device using a movably mounted component provided with an arrangement enabling the orientation to be detected electrically.

6. A blood pressure measuring device comprising a pressure sensor for generating a pressure signal, an application unit for applying the pressure sensor to an individual's limb, and an evaluating unit for evaluating the pressure signal, with an orientation sensing unit (5) being provided for sensing the limb's orientation by means of which an electrical signal responsive to the limb's orientation is deliverable for further processing,

**characterized in that** the orientation sensing unit (5) arranged within a housing of the blood pressure measuring device includes a movably mounted component provided with an arrangement enabling the orientation to be detected electrically.

10. The blood pressure measuring device as claimed in claim 9,  
**characterized in that** said motion sensing unit comprises the inclination sensor (5) and a differentiating unit connected thereto.

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